



Rev. 03/05/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Peter A. Chiarelli

Docket No.: S-94,789

Serial No.: 10/618,517

Examiner: Mary A. Wilczewski

Filed : 7/11/2003

Art Unit: 2822

For : FABRICATION OF MULTILAYERED  
THIN FILMS VIA SPIN-ASSEMBLY

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56, 1.97, AND 1.98**

Sir:

The documents listed below are identified in compliance with the duty of disclosure defined in 37 CFR 1.56. Copies are attached as appropriate.

1. Dubas et al., "Factors Controlling the Growth of Polyelectrolyte Multilayers," Macromolecules, vol. 32, pp. 8153-8160, 1999.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

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Date

*June 15, 2005*

Signature

*Bruce H. Cottrell*

Bruce H. Cottrell

(type or print name of person certifying)

06/21/2005 CCHAU1 00000001 122150 10618517

02 FC:1806 180.00 DA

2. Johal et al., "Polyelectrolyte Trilayer Combinations Using Spin-Assembly and Ionic Self-Assembly," Langmuir, vol. 19, pp. 8876-8881, 2003.
3. Chiarelli et al., "Polyelectrolyte Spin-Assembly," Langmuir, vol. 18, pp. 168-173, 2002.
4. Cho et al., "Fabrication of Highly Ordered Multilayer Films Using a Spin Self-Assembly Method," Adv. Mater, vol. 13, no. 14, pp. 1076-1078, 2001.
5. Decher, "Fuzzy Nanoassemblies: Toward Layered Polymeric Multicomposites," Science, vol. 277, pp. 1232-1237, 1997.
6. Decher et al., "One-or Multi-Layered Layer Elements Applied to Supports and Their Production," U. S. Patent 5,208,111, issued May 4, 1993.
7. Winterton et al., "Methods of Modifying Surface Characteristics," U. S. Patent 6,451,871, issued September 17, 2002.

This Information Disclosure Statement is not to be construed as a representation that a search has been made or that additional matter material to the examination of this application does not exist. Applicant does not believe that any of these citations constitutes prior art under 35 U.S.C. 102.

It is requested that the above citations be made of record in the prosecution of this application.

Respectfully submitted,

Date:

June 15, 2005

Reg. No. 30,620  
Phone (505) 667-9168

Bruce H. Cottrell  
Signature of Attorney

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant...

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/618,517
		Filing Date	7/11/2003
		First Named Inventor	Peter A. Chiarelli
		Art Unit	
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	S-94,789

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T <sup>2</sup>
		Dubas et al., "Factors Controlling the Growth of Polyelectrolyte Multilayers," Macromolecules, vol. 32, pp. 8153-8160, 1999.	
		Johal et al., "Polyelectrolyte Trilayer Combinations Using Spin-Assembly and Ionic Self-Assembly," Langmuir, vol. 19, pp. 8876-8881, 2003.	
		Chiarelli et al., "Polyelectrolyte Spin-Assembly," Langmuir, vol. 18, pp. 168-173, 2002	
		Cho et al., "Fabrication of Highly Ordered Multilayer Films Using a Spin Self-Assembly Method," Adv. Mater, vol. 13, no. 14, pp. 1076-1078, 2001	
		Decher, "Fuzzy Nanoassemblies: Toward Layered Polymeric Multicomposites," Science, vol. 277, pp. 1232-1237, 1997	
Examiner Signature			Date Considered

<sup>1</sup> Applicant's unique citation designation number (optional).

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